

Group (organization): NMT-5
ID Number (assigned by ESH-12): 2000nmt5-02
Calendar Year: 2000 Revision #1
Date Submitted: 08/22/2000

Person Making Determination: Doug Kautz
Title: ALARA Representative

Applicable Goal(s):

Collective Dose (external): 4200 person-mrem

Reason:

The NMT-5 Weapon Component Technology Group builds and analyzes nuclear weapons components, produces plutonium parts and assemblies for testing organizations, and studies the physical, mechanical, and chemical properties of plutonium and its alloys. In CY00, NMT-5 had expected a level workload compared to CY99, except for the work that had moved to NMT-16 and some expected high dose work to be completed in the latter stages of CY00. CY98 and CY99 workloads were used for estimating the expected cumulative dose for NMT-5 in CY00. However, due to the effects of first the Cerro Grande Fire and then the effects of Compression Fitting work as part of the Type A investigation, these goals have been reduced substantially.

Discussion:

<u>WORK AREA</u>	<u>WORKERS</u>	<u>ACTUAL CY99 AVERAGE (MREM)</u>	<u>PROJECTED CY00 AVERAGE (MREM)</u>	<u>TOTAL FOR AREA (MREM)</u>
Hot Machinist	6	492	270	1,620
Handler Technician	15	170	80	1,200
Foundry Technician	6	358	190	1,140
Scientist/Engineer	15	38	16	240
Cold Machinist	5	2	0	0
Administrative	20	2	0	0
Total	67			4,200

Reviewed by: Roger Wishau
Title: ALARA Coordinator

Approved by: Doug Kautz
Title: Deputy Group Leader